



COMMONWEALTH OF KENTUCKY JOB CLASS SPECIFICATION

TRANSPORTATION ENGRNG TECHNOLOGIST II

Job Number: 20001437

Job Code: 70970V161216

Job Group: 7000 - ENGINEERING AND GEOLOGICAL

Job Established: 09/16/1984

Job Revised: 12/16/2016

Grade: 14 Salary (MIN - MID):

\$18,075-\$23,944 - Hourly

\$2,937.20-\$3,890.90 - 37.5 Hr. Monthly Salary

\$3,133.00-\$4,150.30 - 40 Hr. Monthly Salary

Special Entrance Rate:

\$18,980 - Hourly

\$3,084.06 - 37.5 Hr. Monthly Salary

\$3,289.70 - 40 Hr. Monthly Salary

PROBATIONARY PERIOD:

This job has an initial and promotional probationary period of 6 months. For additional information refer to: <http://www.lrc.ky.gov/kar/101/001/325.htm>.

CHARACTERISTICS OF THE JOB: *Characteristics of a job are general statements indicating the level of responsibility and discretion of positions in that job classification. These are not intended to be an exhaustive list.*

With the specific written approval of the State Highway Engineer, positions in this class are authorized to oversee activities on small construction, maintenance, bridge inspection, or utility relocation projects OR to perform tasks requiring the application of advanced technical principles in the design, development, and/or review of small engineering projects while learning to perform more complex technical functions OR plan, organize, assist and inspect the proper installation and safety of any maintenance Work Zones and learns to plan, organize, assist and inspect the proper installation and safety of minor construction Work Zones; and performs other duties as required. (Engineering decisions recommended by positions of the class must be approved by a Licensed Professional Engineer under KRS 322.)

MINIMUM REQUIREMENTS:

EDUCATION:

Graduate of a college or university with a bachelor's degree in engineering technology, construction management, engineering science, engineering mechanics, geology, earth science, industrial technology, industrial drafting, design technology or construction technology.

EXPERIENCE:

Two years of engineering-related experience.

Substitute EDUCATION for EXPERIENCE:

1. Possess a valid EIT certification issued by the Kentucky State Board of Licensure for Professional Engineers and Land Surveyors OR 2. Graduate of a college or university with a bachelor's degree OR an associate degree in an engineering field OR 3. High school OR 4. High school

Substitute EXPERIENCE for EDUCATION:

1. Must have two years of engineering-related experience with the first education option above; OR 2. Must have four years of engineering-related experience with the second education option above; OR 3. Must have eight years of engineering-related experience in which case related technical or vocational training will substitute for the required experience on a year-for-year basis, up to a maximum of four years with the third education option above; OR 4. Must have six years of bridge inspection experience under the supervision of a Qualified Inspection Team Leader, plus successful completion of a Federal Highway Administration approved comprehensive bridge inspection training course with the fourth education option above.

SPECIAL REQUIREMENTS (AGE, LICENSURE, REGULATION, ETC.):

Must possess and maintain a valid driver's license prior to appointment in this classification.

EXAMPLES OF DUTIES OR RESPONSIBILITIES OF THE JOB CLASSIFICATION: *Examples of duties or responsibilities are not to be construed as describing what the duties or responsibilities of any position shall be and are not to be construed as limiting the appointing authority's ability to assign, or otherwise alter the duties and responsibilities of a position. This is not intended to be an exhaustive list.*

In addition to performing duties listed in Transportation Engineering Technologist I, positions in this class will perform the following duties as appropriate. Reviews, inspects, coordinates and supervises sub professional or technical squads or crews in the design and construction of projects. Develops and maintains project documentation. Reads and comments on project plans and specifications. Assists in the design of steel, concrete and pre-stressed concrete structures, horizontal and vertical alignments and other components of the design of transportation facilities. Meets with property owners concerning complaints about construction or maintenance activities. Prepares uncomplicated technical reports. Reviews and comments on environmental impact statements and permit applications. Assists in the organizing and conducting of meetings relating to planning, design, construction and maintenance activities. Inspects utility company facility relocations. Prepares progress reports of relocation work. Makes preliminary cost estimates. Checks utility company relocation plans and estimates. Checks current and final billings. Transfers company relocation plans to departmental construction plans. Inspects railroad and safety projects. Makes copies of relocation plans. Meets with company representatives to coordinate relocation activities. Interprets construction plans. Makes salvage reports after facilities are located. Checks final estimates to ensure that they are accurate and the work has been performed in accordance with standard procedures, plans, specifications and contract documents. Coordinates, reviews and monitors all phases of work under contract to ensure that the contractor is in compliance with all safety standards and EEO provisions. Analyzes and evaluates planning data used in mapping, HPMS, adequacy ratings, traffic forecasting, rail/highway crossings and project planning activities. Makes cost estimates on proposed projects or changes in existing projects. Reduces and checks survey notes. Supervises employees and activities of a survey or sounding crew. Operates surveying or sounding equipment. Records field notes and makes calculations necessary to successfully complete a field survey. Reviews encroachment applications, inspects the site and recommends appropriate action. Assists as a functioning member of a bridge inspection team. Operates computer and applicable software related to National Bridge Inspection Standards data collection, inspection report compilation, and data transfer. Assists in maintaining and organizing district bridge files. Understands bridge components, nomenclature, and simple bridge mechanics. Attends required training classes. Operates under-bridge inspection cranes. Plans, organizes, assists and inspects the proper installation and safety of any maintenance Work Zones. Learns to plan, organize, assist and inspect the proper installation and safety of minor construction Work Zones. Advises management on all maintenance work zone traffic control set-ups.

UNIQUE PHYSICAL REQUIREMENTS:

TYPICAL WORKING CONDITIONS: *Incumbents in the job will typically perform their job duties under these conditions.*

Work is performed in the office and in the field. Will be exposed to risks inherent to construction sites.

ADDITIONAL REQUIREMENTS:

Applicants and employees in this job title may be required to submit to a drug screening test and background check. Applicants and employees in positions which perform job duties that may require contact with offenders in the custody or supervision of the Department of Corrections or with youth in the care, custody, or supervision of the Department of Juvenile Justice must meet qualifications pursuant to the federal Prison Rape Elimination Act, 28 C.F.R.115.17 and 115.317.

THE COMMONWEALTH OF KENTUCKY DOES NOT DISCRIMINATE ON THE BASIS OF RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN, SEXUAL ORIENTATION OR GENDER IDENTITY, ANCESTRY, AGE, DISABILITY, POLITICAL AFFILIATION, GENETIC INFORMATION OR VETERAN STATUS IN ACCORDANCE WITH STATE AND FEDERAL LAWS.